

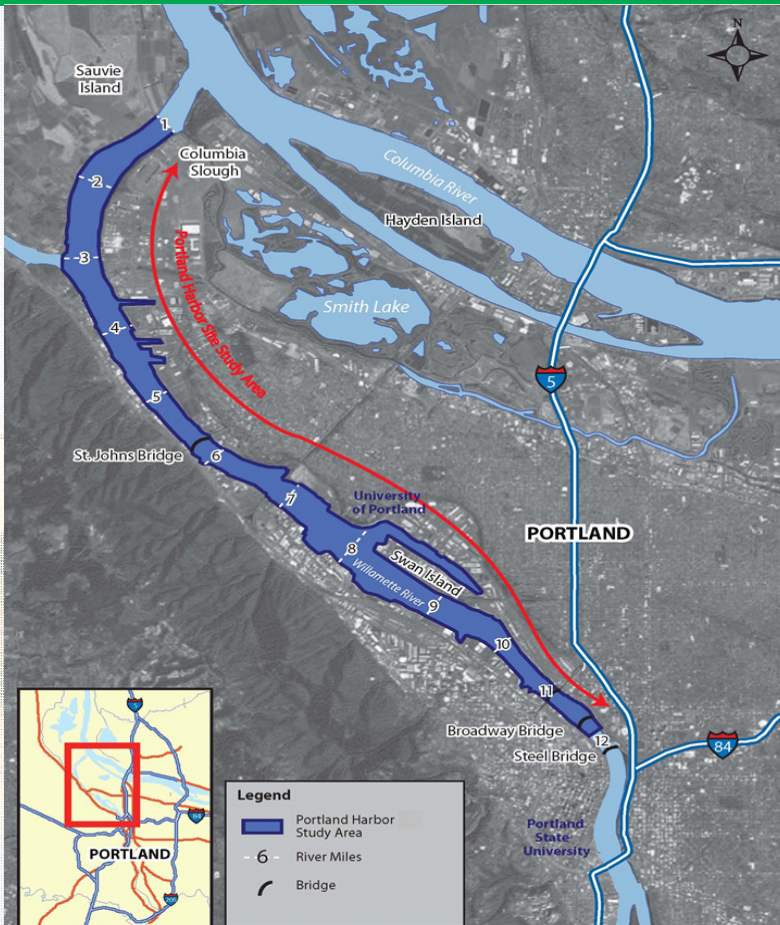


Portland Harbor Superfund Site

- **Where is it?**
- **Superfund Process**
- **Site Information**
- **Process Moving Forward**



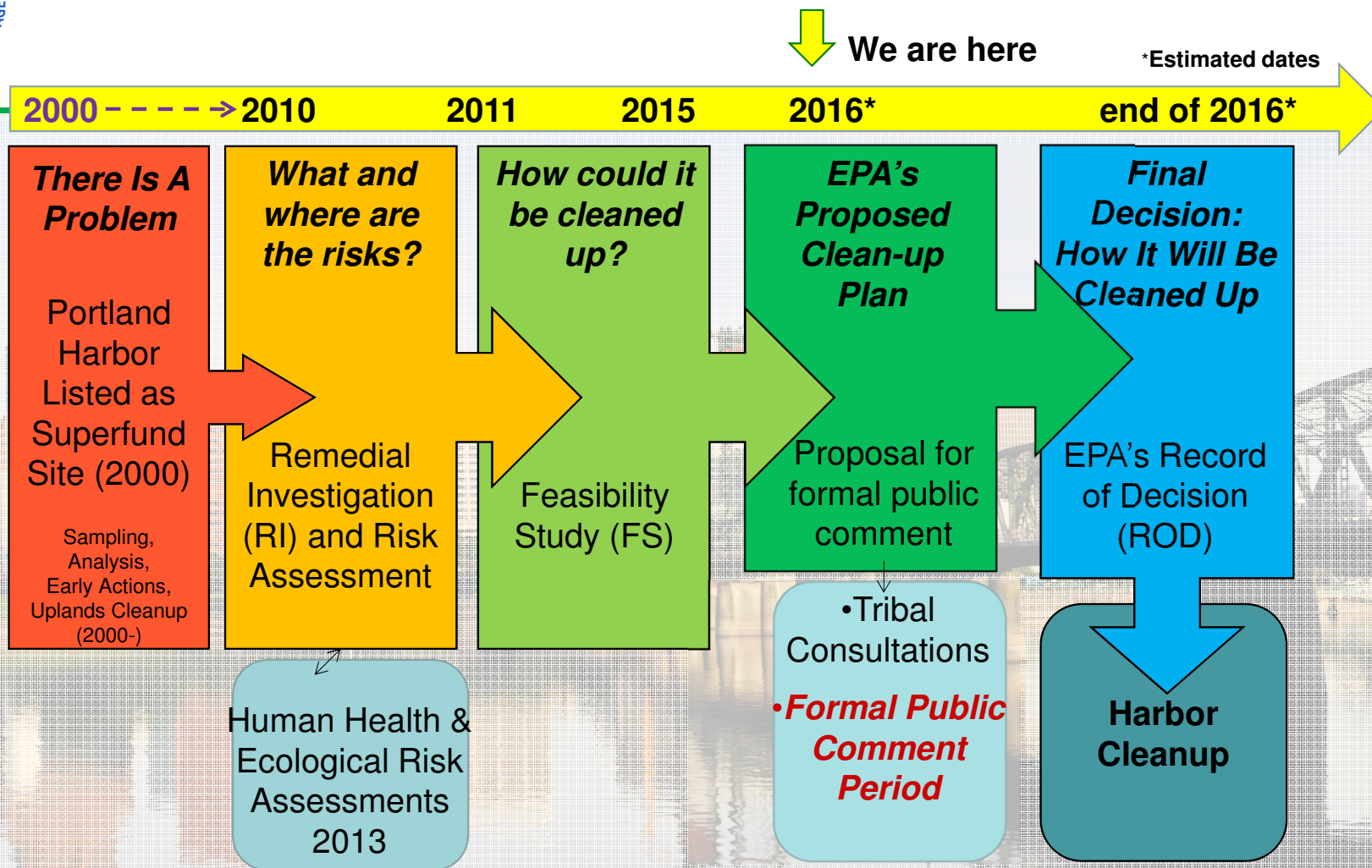
Where is Portland Harbor?



- Industry
- Recreation (boating, swimming, camping)
- Fishing
- Shipping/Navigation
- Ecological habitat
- Tribal fishing and ceremonial practices
- Migratory corridor for salmon



Where is Portland Harbor in the Superfund Process?





What are the pollution issues?

- **65 contaminants of concern**
 - Metals
 - Pesticides/Herbicides
 - Dioxins/Furans
 - PCBs
 - PAHs
- **“Persistent organic pollutants”**
 - not readily broken down in the environment
- **Widespread vs. local contamination**





What are the impacts to wildlife and fish?



- **Worms and bugs exposed to contaminants in river bottom**
 - Survival, reproduction and growth
- **Fish accumulate contaminants through food chain and exposure**
- **Birds and mammals feed on fish and bugs**



What are the risks to people?

FISH ADVISORY

Atención Chú ý 注意 Внимани ဝါးစာရပ

Fish from these waters may be harmful to eat, especially for children, pregnant or nursing women, and women of childbearing age.



SALMON



STEELHEAD



BASS



CATFISH



CARP

More information call 1-877-290-6767
www.healthoregon.org/fishadv

Oregon
Health
Authority

- Mainly from eating contaminated fish
- Resident fish pose greatest risk
 - carp, bass, catfish
- Children and infants are most vulnerable



What are the cleanup methods?

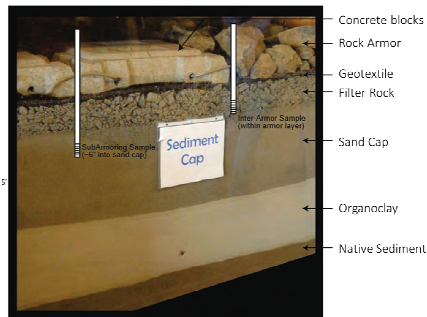
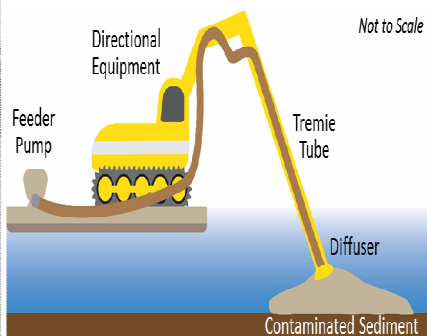
Dredging



Capping

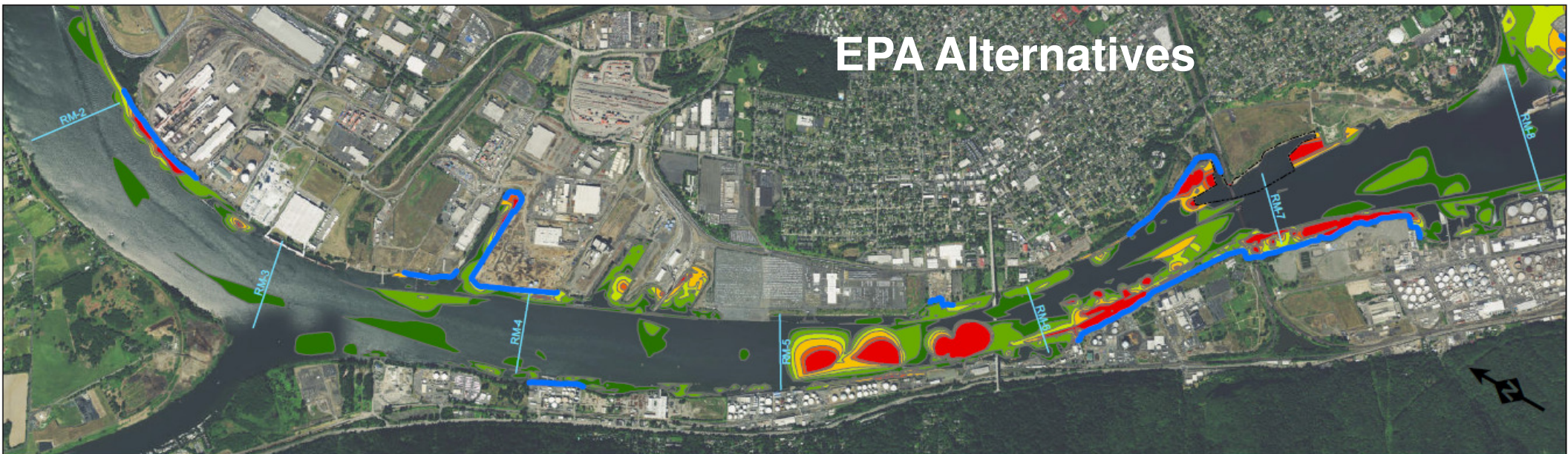


Treatment



- Dredging
- Capping
- In-situ Treatment
- MNR/EMNR

EPA Alternatives



Legend

Site with Known Contaminated Riverbank

Alternative SMAs

- Alternative B
- Alternative C
- Alternative D
- Alternative E
- Alternative F
- Alternative G

0 1,000 2,000 3,000 4,000
Feet

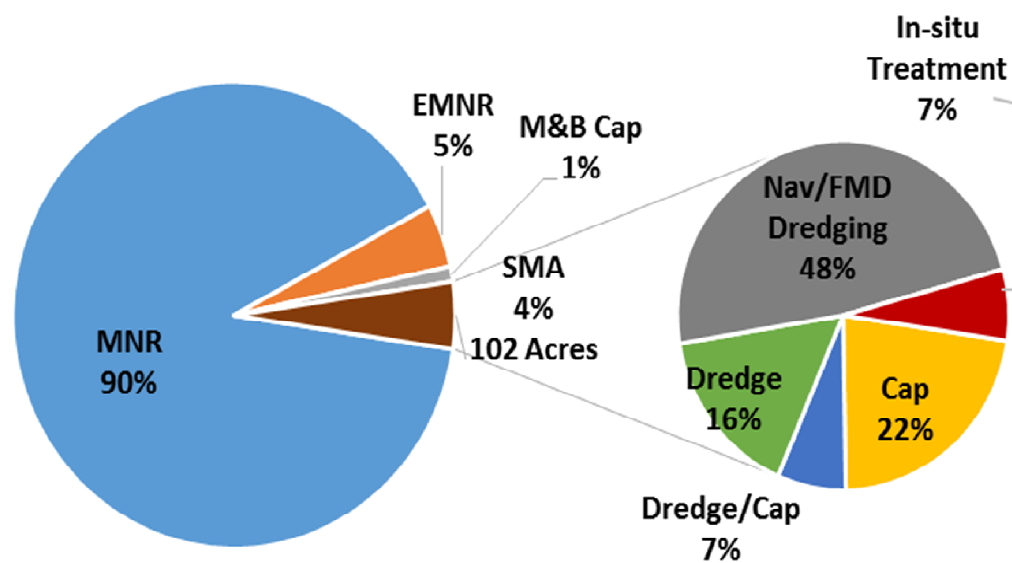


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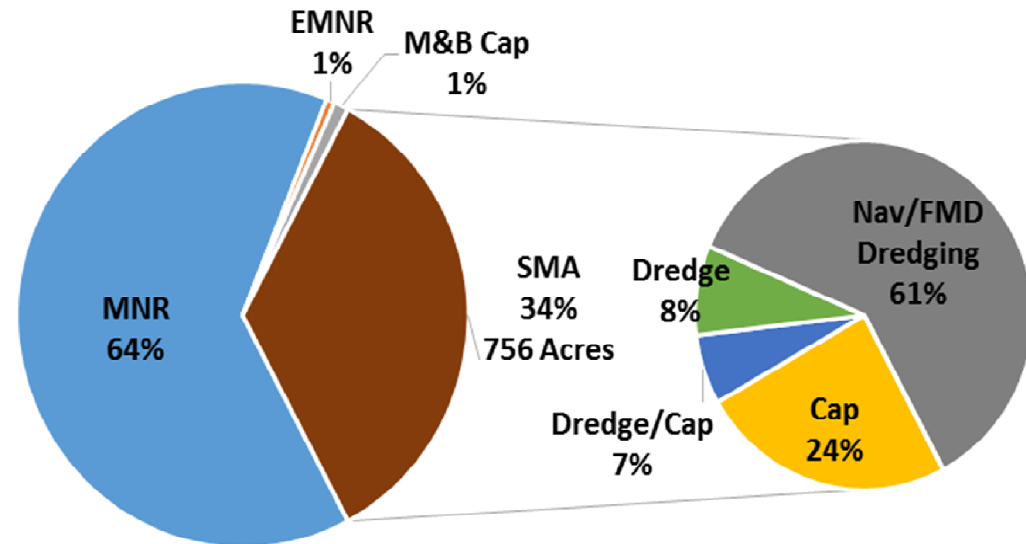


What are the Cleanup Options?

Alternative B



Alternative G





How and when should the community engage?

- **Participate in information sessions:**
 - ✓ Feb 11th - 7pm, Matt Dishman Center
 - ✓ Feb 18th - 6:30pm, Wilson HS Cafeteria
 - ✓ March 3rd - 7pm Webinar – more info coming soon!
 - ✓ March 17th - 7pm, SE Portland, Location TBD
 - ✓ March 19th - 1pm, Matt Dishman Center
 - ✓ March 26th - 12noon OMSI (OR Museum of Science and Industry)
- **April – Proposed Plan, Public review & comment**
 - ✓ Series of public meetings
 - ✓ Oral comments
 - ✓ Written comments
 - ✓ Email comments
 - ✓ Postal mail



EPA's Portland Harbor Web page: <http://go.usa.gov/3Wf2B>